Format No: CP/TF/01

TEST REPORT OF FINE AGGREGATE

Lab ID	:	**CP-2019-02-21-61** **Date: 29-11-2018**
Customer	:	Assistant Executive Engineer, T-Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T-Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Concrete Drain and Footpath 12th and 14th Main and Other Cross Roads at MEI Layout in Ward no. 14, Bagalagunte.
Agency	:	Technical Manager (West), KRIDL,Project Implementation Unit,Sri Shivakumara Swamy Nilaya,No 280,59th Cross Road,17th C Main Road, 3rd Y Block, Rajajinagara, Bangalore-560010.
Customer's Reference	:	BBMP/EE/DD/WO/292/17-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	27-11-2018
Sample Type	:	Fine Aggregate
Reference to BIS codes	:	IS 383 : 2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1, 3) RA2012 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
Date of test	:	27-11-2018
Total weight taken	:	1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	27	27	2.7	97.3	90-100	90-100	90-100	95-100
3	2.36 mm	55	82	8.2	91.8	60-95	75-100	85-100	95-100
4	1.18 mm	239	321	32.1	67.9	30-70	55-90	75-100	90-100
5	600 micron	205	526	52.6	47.4	15-34	35-59	60-79	80-100
6	300 micron	203	729	72.9	27.1	5-20	8-30	12-40	15-50
7	150 micron	191	920	92.0	8.0	0-10	0-10	0-10	0-15
8	Pan	80	1000	100.0	0.0	---	---	---	---

Result :The tested Sample Conforms to Grading Zone II

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TEST REPORT OF FINE AGGREGATE

Lab ID : **CP-2019-02-21-61**

Date: 29-11-2018

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	1.5	–
2	Specific Gravity	2.59	–
3	Material finer than 75 micron(%)	6.9	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

Note:
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TEST RESULTS OF STEEL

Lab ID	:	**CP-2019-02-21-61** **Date: 07-12-2018**
Customer	:	Assistant Executive Engineer, T-Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T-Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Concrete Drain and Footpath 12th and 14th Main and Other Cross Roads at MEI Layout in Ward no. 14, Bagalagunte.
Agency	:	Technical Manager (West), KRIDL,Project Implementation Unit,Sri Shivakumara Swamy Nilaya,No 280,59th Cross Road,17th C Main Road, 3rd Y Block, Rajajinagara, Bangalore-560010.
Customer's Reference	:	BBMP/EE/DD/WO/292/17-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	06-12-2018
Sample Type	:	Sunvik
Reference to BIS codes	:	IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2012.
Date of test:	:	06-12-2018

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm2)	(N/mm2)	(%)		
1	Sunvik	Fe500	8	0.392	512	652	20.0%	Satisfactory	Satisfactory
2	Sunvik	Fe500	10	0.617	528	672	20.0%	Satisfactory	Satisfactory
3	Sunvik	Fe500	12	0.887	544	668	20.0%	Satisfactory	Satisfactory

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TEST REPORT OF PRECAST COVER SLAB

Lab ID	:	**CP-2019-02-21-61** **Date: 15-12-2018**
Customer	:	Assistant Executive Engineer, T-Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T-Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Concrete Drain and Footpath 12th and 14th Main and Other Cross Roads at MEI Layout in Ward no. 14, Bagalagunte.
Agency	:	Technical Manager (West), KRIDL,Project Implementation Unit,Sri Shivakumara Swamy Nilaya,No 280,59th Cross Road,17th C Main Road, 3rd Y Block, Rajajinagara, Bangalore-560010.
Customer's Reference	:	BBMP/EE/DD/WO/292/17-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	11-12-2018
Sample Type /Size	:	Precast Cover Slab
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete
Date of test	:	11/12/2018

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
1	Cover Slab-1	75.51	100.47	1.117	4477	80.9	18.1	16.8	21.0
2	Cover Slab-2	75.49	100.53	1.123	4475	82.3	18.4	17.1	21.4
3	Cover Slab-3	75.50	100.52	1.117	4476	81.5	18.2	16.9	21.2

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TEST REPORT OF CEMENT CONCRETE KERB STONE

Date: 22-12-2018

Lab ID	:	CP-2019-02-21-61
Customer	:	Assistant Executive Engineer, T-Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T-Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Concrete Drain and Footpath 12th and 14th Main and Other Cross Roads at MEI Layout in Ward no. 14, Bagalagunte.
Agency	:	Technical Manager (West), KRIDL,Project Implementation Unit,Sri Shivakumara Swamy Nilaya,No 280,59th Cross Road,17th C Main Road, 3rd Y Block, Rajajinagara, Bangalore-560010.
Customer's Reference	:	BBMP/EE/DD/WO/292/17-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	18-12-2018
Sample Type /Size	:	CC Kerb Stone/ 450*165*400mm
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete
Date of test	:	18/12/2018

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	Kg	(Sq.mm)	(KN)	(N/mm2)	(N/mm2)	(N/mm2)
1	A	100.02	165.52	2.864	7856	142.1	18.1	18.1	22.6
2	B	100.02	165.48	2.793	7856	145.2	18.5	18.5	23.1
3	C	100.03	165.51	2.815	7857	145.1	18.5	18.5	23.1

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2019-02-21-61 **Date: 03/01/2019**

Customer : Assistant Executive Engineer, T-Dasarahalli Sub Division, BBMP, Bangalore.

Address : T-Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Construction of Concrete Drain and Footpath 12th and 14th Main and Other Cross Roads at MEI Layout in Ward no. 14, Bagalagunte.

Agency : Technical Manager (West), KRIDL,Project Implementation Unit,Sri Shivakumara Swamy Nilaya,No 280,59th Cross Road,17th C Main Road, 3rd Y Block, Rajajinagara, Bangalore-560010.

Customer's Reference : BBMP/EE/DD/WO/292/17-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 29-12-2018

Customer ID : CC Drain Raft Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 03/01/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	CC Drain Raft Concrete	M20	27/12/2018	03/01/2019	149.59 X 149.27 X 151.94	22329	8.410	413.3	18.5	18.5
2	CC Drain Raft Concrete	M20	27/12/2018	03/01/2019	149.96 X 149.30 X 151.95	22389	8.860	410.9	18.4	
3	CC Drain Raft Concrete	M20	27/12/2018	03/01/2019	150.90 X 150.54 X 149.35	22716	8.466	424.2	18.7	

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